

Docket No. 284133US0X PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Hirotaka HARO, et al.

SERIAL NO: 10/562,906

GAU:

FILED: December 30, 2005

EXAMINER:

FOR: ADHESION INHIBITING MATERIAL FOR VERTEBRAL/SPINAL OPERATION

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

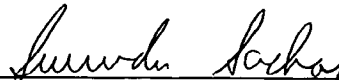
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.P./

U.S. PCT Application Serial No: 10/562,906

Filed: December 30, 2005

Hiroataka HARO, et al.

Docket No. 284133US0XPCT

#### STATEMENT OF RELEVANCY

- 1) References        have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References        have been cited in the corresponding        Search Report. A copy of these references is being submitted herewith.
- 3) References AA-AW & AAA-AAM are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References        are additional prior art known to Applicant. A copy of these references is being submitted herewith.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.P./

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>284133US0X PCT</b>		SERIAL NO. <b>10/562,906</b>	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT <b>Hiroataka HARO, et al.</b>			
				FILING DATE <b>December 30, 2005</b>		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	AA 5 906 997	05/25/99	Herbert E. SCHWARTZ et al.				
	AB 6 017 301	01/25/00	Herbert E. SCHWARTZ et al.				
	AC 6 034 140	03/07/00	Herbert E. SCHWARTZ et al.				
	AD 5 480 436	01/02/96	Dirkjan BAKKER et al.				
	<del>AE 5 066 830</del>	<del>10/15/01</del>	<del>YI C. YOON</del>				
	AF 6 221 109	04/24/01	Peter GEISTLICH et al.				
	AG 6 066 325	05/23/00	Donald G. WALLACE et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	<del>AH 57 167010</del>	<del>10/16/82</del>	<del>JP</del>				<del>NO</del>
	<del>AI 2953702</del>	<del>09/27/99</del>	<del>JP</del>				<del>NO</del>
	<del>AJ 0 157978</del>	<del>06/10/90</del>	<del>JP</del>				<del>NO</del>
	<del>AK 10 502000</del>	<del>03/10/98</del>	<del>JP</del>				<del>NO</del>
	<del>AL 1 201634</del>	<del>12/05/80</del>	<del>JP</del>				<del>NO</del>
	<del>AM 3390520</del>	<del>04/21/83</del>	<del>JP</del>				<del>NO</del>
	<del>AN 3425447</del>	<del>07/07/83</del>	<del>JP</del>				<del>NO</del>
	<del>AO 2005748</del>	<del>06/14/99</del>	<del>JP</del>				<del>NO</del>
	<del>AP 2305715</del>	<del>00/14/93</del>	<del>JP</del>				<del>NO</del>
	<del>AQ 27 22 508</del>	<del>11/30/78</del>	<del>DE</del>				<del>NO</del>
	<del>AR 10 244811</del>	<del>03/14/90</del>	<del>JP</del>				<del>NO</del>
	<del>AS 2001 270004</del>	<del>10/10/01</del>	<del>JP</del>				<del>NO</del>
	<del>AT 2000 210370</del>	<del>06/02/00</del>	<del>JP</del>				<del>NO</del>
	AU 02/22184	03/21/02	WO				NO
	AV 107 055	05/02/84	EP				NO
	<del>AW 3353303</del>	<del>12/24/02</del>	<del>JP</del>				<del>NO</del>
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AX						
	AY						
	AZ						
				<input checked="" type="checkbox"/> Additional References sheet(s) attached			
Examiner /Jeffrey Palenik/				Date Considered 06/11/2008			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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				FILING DATE  December 30, 2005		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	<del>AAA</del>	<del>The Japanese Journal of Artificial Organs, pages 282-285 1994-1995</del>					
	AAB	Tatsuo TACHIZAKI, "The effect of intraperitoneal instillation of 32% dextran 70 on peritoneal repair", THE MEDICAL FRONTLINE, vol. 44, pages 645-655 1989 (with partial English translation)					
	<del>AAC</del>	<del>Hideto GOMIBUCHI, et al., OBSTET. GYNECOL., vol. 54, no 10, pages 1856-1860 (with partial English translation)</del>					
	AAD	Sachiko GOTOH et al., "Protective effect of sodium hyaluronate (SPH) against adhesion formation in flexor tendon of rats", OYO YAKURI (PHARMACOMETRICS, vol. 35, no. 5, pages 359-364 1988 (with partial English translation)					
	<del>AAE</del>	<del>N. Sh. MESKHYA, "Cerebral meningeal adhesions and possibilities of their prevention in plastic repair of meningeal defects (experimental study)", Vopr. Neirokhir., July-August (4) 1976 (with English abstract)</del>					
	AAF	Dalton A. BOOT, et al. "The prevention of adhesions after laminectomy, adverse results of zenoderm implantations into laminectomy sites in rabbits", CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, no. 215, pages 296-302 1987					
	AAG	Paul Kurt MAURER, et al., "Vicryl (polyglactin 910) mesh as a dural substitute", J. NEUROSURG. vol. 63, pages 448-452 1985					
	AAH	Hwan-Mo Lee, et al., "An experimental study on prevention of postlaminectomy scar formatoin", YONSEI MEDICAL JOURNAL, vol. 31, no. 4, pages 359-366 1990					
	AAI	J.L. PETRIE, et al., "Use of ADCON-L to inhibit postoperative peridural fibrosis and related symptoms following lumbar disc surgery: a preliminary report", EUR. SPINE J., vol. 5, suppl. 1, pages S10-S17 1996					
	AAJ	Jeffrey S. Ross, et al., "Association Between peridural scar and recurrent radicular pain after lumbar discectomy: magnetic resonance evaluation", NEUROSURGERY, vol. 38, no. 4, pages 855-863 1996					
	AAK	Nicolas de TRIBOLET, et al., "Clinical assessment of a novel antiadhesion barrier gel: prospective, randomized, multicenter, clinical trial of adcon-I to inhibit postoperative peridural fibrosis and related symptoms after lumbar discectomy", THE AMERICAN JOURNAL OF ORTHOPEDICS, vol. 27, no. 2, pages 111-120 1998					
	AAL	Luciano MASTRONARDI et al., "Efficacy of the morphine-adcon-L compound in the management of postoperative pain after lumbar microdiscectomy", NEUROSURGERY, vol. 50, no. 3, pages 518-525 2002					
	AAM	Song LIU, et al, "A collagen-based sealant to prevent in vivo reformation of epidural scar adhesions in an adult rat laminectomy model", J. NEUROSURG: (SPINE 1), vol. 97, pages 69-74 2002					
	AAN						
	AAO						
	AAP						
Examiner				/Jeffrey Palenik/		Date Considered 06/11/2008	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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